
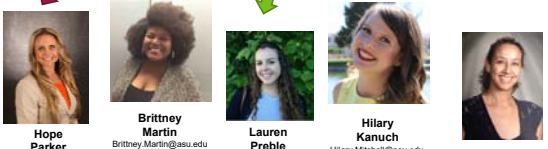


Design. Build. Execute

A FSO's Guide to K-12 Outreach



K12 Engineering Education & Outreach Team!




Hope Parker
Hope.parker@asu.edu
Associate Director

Brittny Martin
Brittny.Martin@asu.edu
Coordinator, Sr. Events

Lauren Probie
Lauren.Probie@asu.edu
Coordinator
Young Engineers Shape the World (YESW)

Hilary Kanuch
Hilary.Mitchell@asu.edu
Coordinator, Sr. FIRST LEGO League

Jen Velez
Jen.Velez@asu.edu
Coordinator, Sr. Engineering Projects in Community Service (EPICS)



Deans Funding + K12 Outreach


Minimum Standards:

- If you receive Deans Funding you are **REQUIRED** to participate with the following events:
 - Homecoming | Saturday, November 3, 2018
 - Open Door | **Poly Event**: Saturday, February 2, 2019 or **Tempe Event**: Saturday, February 23, 2019

Failure to participate in these events will result in a deduction one Deans Funding Point.



Ways to Earn Points

1. Volunteer at one of our events!
2. Create your own event and submit it to our points request form!
3. Meet with a member of the K12 Outreach team to develop an outreach plan.





Develop a plan

Why – What is your vision/ mission?
Who – Target population
When – Spring/Fall? School day? Weekends? Evening??
Where – On campus? At a school? With a community partner?
What – Coordinating an event? Collaborate?
How – First steps? \$\$\$

When developing your plan, consider...

- Keep your activities hands-on and aged appropriate
- It's never too early to start incorporating safety.
- We encourage you to advertise your event in our monthly newsletter. If you would like to be featured, send a 150 description and a picture to engineeringoutreach@asu.edu.
- Don't waste money on simple supplies like markers, K12 Outreach has a storage closet filled with supplies you can check out.
- You can request financial support from the K12 outreach department. Email Brittney Martin for additional details.

You don't have to DIY...

We have a number of programs and opportunities for you to engage with K-12 students without even lifting a planning finger.

FIRSTLEGO League

Global robotics program

- Mentor a team
- Volunteer at a tournament:

1. Helping
2. Judging
3. Referee

- Volunteer with FLL Jr.

EPICS High


Service Learning and Entrepreneurship

- Outreach
- Showcase
- Team Mentoring

Young Engineers Shape the World

Mentoring Women in STEM

- Student Mentors (paid position)
- Volunteer at end of year closing event
- Volunteer at YESW
- Fieldtrips and school visits
- Career and research panel



Event Date	Event Title	Event Location	Purpose of event	FA Shifts	FA Shift Details	Sign Up link
Saturday, 8/25/2018	STEM Saturday	Tempe	Provide opportunities for K-5th Grade students and their families	8:00 AM-10:30 AM 10:30 AM-1:00 PM	General Assistance General Assistance	http://signup.com/go/LMRkpWX
Wednesday, 9/12/2018 Thursday, 9/13/2018	SPARK App League	Tempe	a video game coding competition for middle and high school students	Wed 7:00 AM-10:00 AM Wed 10:00 AM-2:00 PM Thurs 8:00 AM-11:00 AM Thurs 11:00 AM-2:00 PM	Prep Set up and check in Mentors and tech support Mentors and tech support Tear Down and Clean Up	http://signup.com/go/uZxxZxD
Wednesday, 9/19/2018	Field Trip Day (Elementary School)	Tempe	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUjtYu
Friday, 10/12/2018 Saturday, 10/13/2018	FRC State Tournament	Tempe	State <i>FIRST</i> Robotics Competition	See SignUp Link for shifts	Field Competition Setup/ Tear down	http://signup.com/go/SQTgViY
Wednesday, 10/17/2018	Field Trip Day (Middle School)	Poly	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUjtYu
Saturday, 10/20/2018	Girls Make-A-Thon (9th-12th)	Tempe	A day of networking and engineering exploration for girls 9th-12th grades	Fri 3:00 PM-5:00 PM Sat 8:00 AM -10:00 AM Sat 10:00 AM -1:00 AM Sat 1:00 PM-3:00 PM Sat 2:30 PM-4:00 PM	Prep Set up and check in Speed Networking and Luncheon Maker Challenge Tear Down and Clean Up	http://signup.com/go/PQDUvks
Friday, 10/26/2018	Field Trip Day (High School)	Poly	To expose 9th-12th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUjtYu
Saturday, 11/10/2018	STEM Saturday	Tempe	Provide opportunities for K-5th Grade students and their families	8:00 AM-10:30 AM 10:30 AM-1:00 PM	General Assistance General Assistance	http://signup.com/go/LMRkpWX
Saturday, 11/17/2018	Girl Scouts OWN THE NIGHT	Poly	Provide an opportunity for girl scouts to spend the day at ASU and earn badges	See SignUp Link for shifts	Check-in Tours of campus Badge Workshops	http://signup.com/go/oORUoZB

Event Date	Event Title	Event Location	Purpose of event	FA Shifts	FA Shift Details	Sign Up link
Wednesday, 11/21/2018	Field Trip Day (Elementary School)	Tempe	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Wednesday, 12/5/2018	Field Trip Day (Middle School)	Tempe	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Friday, 12/14/2018	Field Trip Day (Elementary School)	Tempe	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Wednesday, 1/16/2019	Field Trip Day (Middle School)	Tempe	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Wednesday, 1/23/2019	Field Trip Day (High School)	Poly	To expose 9th-12th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Wednesday 2/13/2019	Field Trip Day (Elementary School)	Poly	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Wednesday, 3/13/2019	Field Trip Day (Middle School)	Tempe	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Friday, 3/22/2019	Field Trip Day (Elementary School)	Tempe	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu

Event Date	Event Title	Event Location	Purpose of event	FA Shifts	FA Shift Details	Sign Up link
Saturday, 3/30/2019	STEM Saturday	Tempe	Provide opportunities for K-5th Grade students and their families	8:00 AM-10:30 AM 10:30 AM-1:00 PM	General Assistance General Assistance	http://signup.com/go/LMRkpWX
Wednesday, 4/2/2019	Field Trip Day (Middle School)	Tempe	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Friday, 4/12/2019	Field Trip Day (High School)	Poly	To expose 9th-12th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Saturday, 4/20/2019	Girls Make-A-Thon (4th-8th)	Tempe	A day of networking and engineering exploration for girls 4th-8th grades	Fri 3:00 PM-5:00 PM Sat 8:00 AM -10:00 AM Sat 10:00 AM -1:00 AM Sat 1:00 PM-3:00 PM Sat 2:30 PM-4:00 PM	Prep Set up and check in Speed Networking and Luncheon Maker Challenge Tear Down and Clean Up	http://signup.com/go/dOFNISON
Wednesday, 4/24/2019	Field Trip Day (Middle School)	Tempe	To expose 6th-8th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Tuesday, 4/30/2019 Wednesday, 5/1/2019	SPARK App League	Poly	a video game coding competition for middle and high school students	Wed 7:00 AM-10:00 AM Wed 10:00 AM-2:00 PM Thurs 8:00 AM-11:00 AM Thurs 11:00 AM-2:00 PM	Prep Set up and check in Mentors and tech support Mentors and tech support Tear Down and Clean Up	http://signup.com/go/uZxxZxD
Tuesday, 5/7/2019	Field Trip Day (Elementary School)	Tempe	To expose 3rd-6th grade students to FSE	8:30 AM-9:30 AM 9:30 AM-10:30 AM 10:30 AM-11:30 AM 11:30 AM-12:30 PM 12:30 PM-1:30 PM	Prep and student check-in Activity Facilitation Activity Facilitation Activity Facilitation Tear Down and Clean up	http://signup.com/go/DoUtjYu
Saturday, 5/18/2019	STEM Saturday	Tempe	Provide opportunities for K-5th Grade students and their families	8:00 AM-10:30 AM 10:30 AM-1:00 PM	General Assistance General Assistance	http://signup.com/go/LMRkpWX